

AMENDMENTS TO THE SPECIFICATION:

Please amend the paragraph beginning at page 1, line 23, as follows:

In these different radio communication networks, communication is performed using substantially the same protocol. Thus, information for setting the communication protocol that relates to the radio communication network ~~that uses~~ used in portable telephone terminals is stored in the portable storage device, and the portable telephone terminal is then connected to the radio communication network. Portable storage devices that are in current use include IC cards such as SIM (Subscriber Identity Module) cards and USIM (Universal Subscriber Identity Module) cards. IC cards such as SIM cards and USIM cards can be inserted into or removed from an interface that is provided in a portable telephone terminal. In addition, services that employ the functions of an SAT (SIM Application Toolkit) or USAT (USIM Application Toolkit) of the 3GPP standard are being developed for portable telephone terminals in which this type of SIM card or USIM card can be installed.

Please amend the paragraph beginning at page 4, line 16, as follows:

As shown in FIG. 2, communication is performed between communication protocol stack 1208 and SIM card 1104 that is installed in portable telephone terminal ~~1103~~ by 1103 by way of logical bus 1207. Upon being installed in portable telephone terminal 1103, SIM card 1104 is connected to UIMF (User Identity Module Function) 1202. SIM card 1104 then communicates with logical bus 1207 by way of UIMF 1202 and exchanges subscriber information or user information that is stored in SIM card ~~1104~~ card 1104 with communication protocol stack 1208 or another block.

Please amend the paragraph beginning at page 11, line 11, as follows:

~~As an embodiment of the present invention, explanation next regards~~ The following is a description of a preferred embodiment of the present invention, a field test for testing the communication protocol of a mobile communication terminal in which a SIM card is installed ~~when in use;~~ a portable telephone terminal is ~~[[being]]~~ used as the mobile communication terminal and a SIM card is ~~[[being]]~~ used as the external module.

Please amend the paragraph beginning at page 11, line 23, as follows:

~~Explanation~~ An explanation as to ~~will first relate to~~ a field test and the configuration of the portable telephone terminal and SIM card for effecting this field test is first. As shown in FIG. 4, a field test is realized by performing call origination, connection, and conversation by portable telephone terminal 103 between portable telephone terminal 103 and base station 101 by way of radio interface 102.

Please amend the paragraph beginning at page 12, line 8, as follows:

One type of SIM card is a plug-in SIM card that accords with the GSM 11.11 specifications that is standard equipment in European GSM digital portable telephones. A SIM card that is standard equipment in this European GSM digital portable telephone and that is used for a ~~subscriber's~~ subscriber's telephone number and personal identification can be used as SIM card 104. However, the external module in the present embodiment is not limited to a SIM card, but also allows the use of a USIM card that is packaged in the W-CDMA mode of the next-generation IMT 2000 mode.

Please amend the paragraph beginning at page 15, line 26, as follows:

~~Explanation next regards~~ The following explanation describes the operations of portable telephone terminal 103 and SIM card 104 when carrying out a field test in the present embodiment. In a field test in the present embodiment, a call origination operation test is

carried out for testing the call origination operation of portable telephone terminal 103. A reproduction test of the communication protocol sequence that is carried out in the call origination operation test is then performed.

Please amend the paragraph beginning at page 16, line 10, as follows:

In FIG. 7, portable telephone terminal 103 is first set to the test mode by user 701 (the tester), whereby test mode request 702 is conferred to TE 203 from user (tester) 701. Test mode request 702 that has been conferred to TE 203 accordingly undergoes protocol conversion at TAF 204 and is then transferred to communication protocol stack 208 by way of logical bus 207. Communication protocol stack 208 receives this test mode request 702 and thus shifts at 260 to a state that allows output of internal state information and protocol messages onto logical bus 207.

Please amend the paragraph beginning at page 16, line 22, as follows:

Upon receiving test mode set-up request 703, SIM card 104 activates internal information collection unit 303 in test program execution unit 302 at 262 and enters a state of waiting for information from portable telephone terminal 103.

Please amend the paragraph beginning at page 17, line 7, as follows:

At the same time, UIMF 202 acquires protocol messages relating to call origination request 704 that flow on logical bus 207 and reports to SIM card 104 information storage request 705 for call origination request 704. SIM card 104, upon receiving information storage request 705 at 264, stores call origination request 704 in memory 308 in SIM card 104 by means of internal information collection unit 303.

Please amend the paragraph beginning at page 17, line 17, as follows:

UIMF 202 acquires internal state information 706 that flow on logical bus 207, and reports information storage request 707 for internal state information 706 to SIM card 104. SIM card 104, upon receiving information storage request 707, at 266, stores internal state information 706 in memory 308 inside SIM card 104 by means of internal information collection unit 303.

Please amend the paragraph beginning at page 18, line 1, as follows:

UIMF 202 acquires protocol messages 708 by way of logical bus 207 and reports information storage request 710 for these protocol messages 708 to SIM card 104. SIM card 104, upon receiving information storage request 710, at 268, stores protocol messages 708 in memory 308 in SIM card 104 by means of internal information collection unit 303.

Please amend the paragraph beginning at page 18, line 24, as follows:

SIM card 104, at 270, reads information data that have been stored in memory 308 and reports these data to UIMF 202 as information read response 714. UIMF 202 reports internal information read response 715 to user 701 by the route: logical bus 207, TAF 204, and TE 203.

Please amend the paragraph beginning at page 19, line 11, as follows:

In FIG. 8, portable telephone terminal 103 is first set to the test mode of the reproduction test by user 701, whereby test mode request 801 for a protocol reproduction test is conferred from user 701 to TE 203. Test mode request 801 that has been accordingly conferred to TE 203 undergoes protocol conversion by TAF 204 and then is transferred to communication protocol stack 208 by way of logical bus 207. Communication protocol stack 208, having received this test mode request 801, at 360, shifts to a state that allows output of internal state information and protocol messages to logical bus 207.

Please amend the paragraph beginning at page 19, line 23, as follows:

SIM card 104, having received this test mode set-up request 802, at 362, activates internal information collection unit 303 in test program execution unit 302 and enters a state of waiting for information from portable telephone terminal 103.

Please amend the paragraph beginning at page 20, line 1, as follows:

Next, as shown in FIG. 8, at 364, protocol execution unit 304 in test program execution unit 302 is activated, and internal information collection unit 303 shifts from the state of waiting for information to the activated state. Protocol execution unit 304 reads the internal state information such as the call origination request, internal state information, and protocol messages that have been stored in memory 308 as the result of the preceding call origination operation test and generates simulated call origination request 803. Protocol execution unit 304 automatically reports this simulated call origination request 803 to UIMF 202.

Please amend the paragraph beginning at page 20, line 15, as follows:

UIMF 202 also acquires protocol messages relating to call origination request 804 that flow on logical bus 207, and reports information storage request 805 for call origination request 804 to SIM card 104. SIM card 104, upon receiving information storage request 805, at 366, stores call origination request 804 in memory 308 in SIM card 104 by means of internal information collection unit 303.

Please amend the paragraph beginning at page 20, line 25, as follows:

UIMF 202 acquires internal state information 806 that flows in logical bus 207, and reports information storage request 807 for internal state information 806 to SIM card 104. SIM card 104, upon receiving information storage request 807, at 368, stores internal state information 806 in memory 308 in SIM card 104 by means of internal information collection unit 303.

Please amend the paragraph beginning at page 21, line 10, as follows:

UIMF 202 acquires protocol messages 808 by way of logical bus 207, and reports information storage request 809 for these protocol messages 808 to SIM card 104. Upon receiving information storage request 809, at 370, SIM card 104 stores protocol messages 808 in memory 308 in SIM card 104 by means of internal information collection unit 303.

Please amend the paragraph beginning at page 21, line 15, as follows:

UIMF 202 also reports to SIM card 104 received protocol messages 808 as simulated protocol messages 810. At 372, SIM card 104 determines the completion of the protocol reproduction test based on the message content of simulated protocol messages 810. If the conditions for completion of the protocol reproduction test are satisfied, protocol execution unit 304 in SIM card 104 reports simulation sequence completion report 812 to UIMF 202. UIMF 202 reports protocol reproduction test completion report 813 to user 701 by the route: logical bus 207, TAF 204, and TE 203.

Please amend the paragraph beginning at page 21, line 23, as follows:

Finally, another example of the SIM card in the present embodiment will be explained. FIG. 9 shows an example of the internal configuration of SIM card 104a. SIM card 104a in the present embodiment includes, in CPU 301a, a SIM function execution unit 305 and test program execution unit 302a as its basic constituent elements. Test program execution unit 302a includes internal information collection unit 303 and protocol execution unit 304. In addition, in another example of SIM card 104a, test program execution unit 302a is provided with stored information processor 310 as shown in FIG. 9.